

U.S. Appln. No. 09/864,696
Response Dated Oct. 13, 2005
Reply to Office Action of July 27, 2005
Docket No. 6169-224

IBM Docket No.: BOC9-2000-0091

Listing of Claims:

1. (Previously Presented) An advanced intelligent network comprising:
a service logic execution environment (SLEE), said SLEE comprising an event handler for routing messages between and among client components and service components, wherein said SLEE is configured for compatibility with a JAVA APIs for Integrated Networks (JAIN) specification, wherein said SLEE is included within a service layer of a JAIN-compliant network, said JAIN-compliant comprising said service layer, a protocol layer, an application layer, and a signaling layer;
at least one service component configured to post and receive messages to and from other service components in said SLEE through said event handler, wherein said at least one service component is a JAIN compliant component; and
at least one Internet enabled service component (IESC) executing in said SLEE, said IESC configured to post and receive messages to and from other service components in said SLEE through said event handler, said IESC communicatively linked to a server side program external to said SLEE, wherein said IESC is a JAIN compliant component, and wherein the IESC provides the server side program with access to the event handler of the SLEE.
2. (Previously Presented) In a telephony environment having a service logic execution environment (SLEE), an Internet enabled service component (IESC) for use with the SLEE, said IESC comprising:
at least one client service instance, each said client service instance corresponding to an Internet service application; and
a service wrapper, said service wrapper providing a common interface to said at least one client service instance for routing events between the SLEE and said at least one client service instance, wherein said IESC is an interface between said SLEE and said at least one client service instance, wherein said SLEE is configured for compatibility with

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a JAVA APIs for Integrated Networks (JAIN) specification, wherein said SLEE is included within a service layer of a JAIN-compliant network, said JAIN-compliant comprising said service layer, a protocol layer, an application layer, and a signaling layer, wherein said IESC is a JAIN compliant component.

3. (Original) The IESC of claim 2, said service wrapper further comprising a deployment descriptor for providing configuration information to the SLEE.

4. (Previously Presented) The IESC of claim 2, said service wrapper further comprising a service interface for publishing an interface to said IESC.

5. (Original) The IESC of claim 2, said service wrapper further comprising a protocol stack for managing communications in the telephony environment.

6. (Original) The IESC of claim 2, said at least one client service instance further comprising a content interface for publishing an interface to said client service instance.

7. (Original) The IESC of claim 2, wherein said IESC interacts with other generic service components, external applications, service components, or protocol stacks.

8. (Previously Presented) A method for providing an external interface to a service logic execution environment (SLEE) comprising an event handler for routing messages between service components executing in the SLEE, said method comprising the steps of:

an Internet enabled service component (IESC) registering with the SLEE;

said IESC receiving a first event routed by the SLEE, said first event corresponding to an Internet service application which the IESC has registered to receive from the SLEE, wherein said SLEE is configured for compatibility with a JAVA APIs for

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Integrated Networks (JAIN) specification, wherein said SLEE is included within a service layer of a JAIN-compliant network, said JAIN-compliant comprising said service layer, a protocol layer, an application layer, and a signaling layer, wherein said IESC is a JAIN compliant component, and wherein the IESC provides the Internet service application with access to the event handler of the SLEE.

9. (Original) The method of claim 8, further comprising:
establishing a communications link between said IESC and said Internet service application.
10. (Original) The method of claim 8, further comprising:
instantiating at least one client service instance for communicating with said Internet service application, said client service instance interacting with said Internet service application.
11. (Original) The method of claim 10, further comprising:
posting a second event to the SLEE responsive to said interaction between said client service instance and said Internet service application, said second event corresponding to said interaction.
12. (Original) The method of claim 8, wherein said first event is from a protocol stack.
13. (Original) The method of claim 8, wherein said first event is from a generic service component.
14. (Original) The method of claim 8, wherein said first event is from a service component.

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15. (Original) The method of claim 8, wherein said first event is from an external server side program associated with said Internet service application.

16. (Previously Presented) A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

an Internet enabled service component (IESC) registering with a service logic execution environment (SLEE), the SLEE comprising an event handler for routing messages between service components executing in the SLEE;

said IESC receiving a first event routed by the SLEE, said first event corresponding to an Internet service application which the IESC has registered to receive from the SLEE, wherein said SLEE is configured for compatibility with a JAVA APIs for Integrated Networks (JAIN) specification, wherein said SLEE is included within a service layer of a JAIN-compliant network, said JAIN-compliant comprising said service layer, a protocol layer, an application layer, and a signaling layer, wherein said IESC is a JAIN compliant component, wherein the IESC provides the Internet service application with access to an event handler of the SLEE.

17. (Original) The machine readable storage of claim 16, further comprising:
establishing a communications link between said IESC and said Internet service application.

18. (Original) The machine readable storage of claim 16, further comprising:
instantiating at least one client service instance for communicating with said Internet service application, said client service instance interacting with said Internet service application.

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19. (Original) The machine readable storage of claim 18, further comprising:
posting a second event to the SLEE responsive to said interaction between said
client service instance and said Internet service application, said second event
corresponding to said interaction.

20. (Original) The method of claim 16, wherein said first event is from a protocol
stack.

21. (Original) The method of claim 16, wherein said first event is from a generic
service component.

22. (Original) The method of claim 16, wherein said first event is from a service
component.

23. (Original) The method of claim 16, wherein said first event is from an external
server side program associated with said Internet service application.